

Detailed Listing of All Claims 1-80:

1. A method of processing video data comprising:
converting an analog 35 mm or 16 mm film of duration greater than 1 hour
to digital video data with a frame rate of approximately 24 frames per second and
one pixel or line resolution of at least approximately 1280;

storing the digital video data to a storage using an audio video interleaved
file format;

receiving the digital video data from the storage ~~wherein the digital video~~
~~data has one pixel or line resolution of at least 720 and the other pixel or line~~
~~resolution greater than 576;~~

compressing the received digital video data to produce compressed digital
video using an average compression ratio of at least approximately 50:1 amenable
to subsequent decompression using processing to remove blockiness; and

transmitting and/or storing the compressed digital video data via a network.

2. The method of claim 1, wherein the receiving receives the digital
video data through a digital serial interface.

3. The method of claim 2, wherein the digital serial interface has a
SMPTE specification.

4. The method of claim 3, wherein the SMPTE specification is SMPTE
292M.

1 5. The method of claim 3, wherein the SMPTE specification is SMPTE
2 259M.

3
4 6. The method of claim 1, wherein the digital video data has a
5 resolution of 1280 pixel by 720 line.

6
7 7. The method of claim 1, wherein the digital video data has a
8 resolution of 1920 pixel by 1080 line.

9
10 8. The method of claim 1, wherein the digital video data has a color
11 sampling format of 4:2:2.

12
13 9. The method of claim 1, wherein the digital video data has a color
14 sampling format of 4:2:0.

15
16 10. The method of claim 1, wherein the compressing compresses the
17 digital video data using an integer transform ~~the receiving receives the digital~~
18 ~~video data from a digital camera.~~

19
20 11. The method of claim 1, wherein the ~~receiving receives the digital~~
21 ~~video data from~~ converting uses a telecine.

22
23 12. The method of claim 1, wherein the receiving receives the digital
24 video data from a recorder.

1 13. The method of claim 1, wherein the receiving receives the digital
2 video data from a network.

3
4 14. The method of claim 1, wherein the compressing compresses the
5 digital video data using block-based motion predictive coding to reduce temporal
6 redundancy.

7
8 15. The method of claim 1, wherein the compressing compresses the
9 digital video data using transform coding to reduce spatial redundancy.

10
11 16. The method of claim 1, wherein the compressing compresses the
12 digital video data using block-based motion predictive coding to reduce temporal
13 redundancy and using transform coding to reduce spatial redundancy.

14
15 17. The method of claim 1, wherein the compressing compresses the
16 digital video data using ~~a~~ the WINDOWS MEDIA™ 9 video codec.

17
18 18. ~~The method of claim 1, wherein the compressing compresses the~~
19 ~~digital video data using a compression ratio of at least approximately 50:1~~ further
20 comprising storing the compressed digital video data in a file having a file
21 extension selected from a group consisting of .wma, .wmv and .asf file extensions.

22
23 19. The method of claim 1, wherein the compressing compresses the
24 digital video data using a compression ratio of at least approximately 100:1.

25

1 20. The method of claim 1, wherein the compressing compresses the
2 digital video data using a compression ratio of at least approximately 200:1.

3
4 21. The method of claim 1, wherein the ~~compressing maintains a PSNR~~
5 ~~of at least 30 dB~~ transmitting transmits from a server.

6
7 22. The method of claim 1, wherein the ~~compressing allows for~~
8 ~~subsequent decompression and playback of the compressed digital~~
9 ~~video~~ transmitting transmits to a computer with a software-based decompression
10 algorithm.

11
12 23. The method of claim 22, wherein the subsequent decompression and
13 playback of the compressed digital video produces video of at least DVD quality.

14
15 24. The method of claim 22, wherein the subsequent decompression and
16 playback of the compressed digital video produces video having one pixel or line
17 resolution of at least 720 and the other pixel or line resolution of greater than 576.

18
19 25. The method of claim 1, wherein the transmitting transmits the
20 compressed digital video data at a data rate of approximately 0.5 Mbps to
21 approximately 10 Mbps.

22
23 26. The method of claim 1, wherein the transmitting transmits the
24 compressed digital video data at a plurality of data rates.

1 27. The method of claim 26, wherein the plurality of data rates are in a
2 range from approximately 0.1 Mbps to approximately 20 Mbps.

3
4 28. The method of claim 26, wherein the plurality of data rates are in a
5 range from approximately 1 Mbps to approximately 10 Mbps.

6
7 29. The method of claim 1, wherein the transmitting transmits and/or the
8 storing stores at least 5 Gb of data.

9
10 30. The method of claim 1, wherein the transmitting transmits ~~and/or the~~
11 ~~storing stores~~ a video having a total runtime of at least approximately 2 hours.

12
13 31. The method of claim 1, wherein the transmitting transmits ~~and/or the~~
14 ~~storing stores~~ the compressed digital video data to a server.

15
16 32. The method of claim 1, wherein the storing stores the compressed
17 digital video data on a tape.

18
19 33. The method of claim 1, wherein the storing stores the compressed
20 digital video data on a disk.

21
22 34 (Cancelled).

23
24 35. The method of claim 1, wherein the transmitting transmits ~~and/or the~~
25 ~~storing stores~~ the compressed digital data in an advanced systems format that

1 includes a top-level header object, a top-level data object and optionally a top-
2 level index object.

3
4 36. The method of claim 1, wherein the transmitting transmits the
5 compressed digital video data to a DVD recorder.

6
7 37. The method of claim 1, wherein the transmitting transmits the
8 compressed digital video data via satellite.

9
10 38. The method of claim 1, wherein the transmitting transmits the
11 compressed digital video data via cable.

12
13 39. The method of claim 1, wherein the transmitting transmits the
14 compressed digital video data ~~via a network~~ to a DVD player.

15
16 40 (Cancelled).

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18 41 (Cancelled).

19
20 42-49 (Cancelled).

21
22 50. A method of processing video data comprising:
23 receiving compressed digital video data via a network interface wherein the
24 compressed digital video data has an average compression ratio of at least
25

1 ~~approximately 50; upon decompression one pixel or line resolution of at least 720~~
2 ~~and the other pixel or line resolution greater than 576;~~

3 decompressing the compressed digital video data using a software decoder
4 and processing to remove blockiness to produce decompressed digital video; and
5 displaying the decompressed digital video data with one pixel or line
6 resolution of at least 1280.

7
8 51. The method of claim 50, wherein the receiving receives the digital
9 video data from a server in communication with the network interface.

10
11 52. The method of claim 50, wherein the decompressed digital video
12 data has a resolution of 1280 pixel by 720 line.

13
14 53. The method of claim 50, wherein the decompressed digital video
15 data has a resolution of 1920 pixel by 1080 line.

16
17 54. The method of claim 50, wherein the decompressed digital video
18 data has a color sampling format of 4:2:2.

19
20 55. The method of claim 1, wherein the decompressed digital video data
21 has a color sampling format of 4:2:0.

22
23 56. The method of claim 50, wherein the decompressing decompresses
24 the compressed digital video data using information related to block-based motion
25 predictive coding.

1
2 57. The method of claim 50, wherein the decompressing decompresses
3 the compressed digital video data using information related to transform coding.
4

5 58. The method of claim 50, wherein the decompressing decompresses
6 the compressed digital video data using information related to block-based motion
7 predictive coding and transform coding.
8

9 59. The method of claim 50, wherein the decompressing decompresses
10 the compressed digital video data using a ~~WINDOWS MEDIA™~~codeinteger
11 transform.
12

13 60 (Currently amended). The method of claim 50, wherein the
14 decompressing decompresses the compressed digital video data using a
15 ~~decompression ratio of at least approximately 1:50~~plurality of computer
16 microprocessors.
17

18 61. The method of claim 50, wherein the decompressing decompresses
19 the compressed digital video data using a decomposition ratio of at least
20 approximately 1:100.
21

22 62. The method of claim 50, wherein the decompressing decompresses
23 the compressed digital video data using a decomposition ratio of at least
24 approximately 1:200.
25

1 63 (Cancelled).

2
3 64. The method of claim 50, wherein the displaying displays video of at
4 least DVD quality.

5
6 65. The method of claim 50, wherein the receiving receives the
7 compressed digital video data at a data rate of approximately 0.5 Mbps to
8 approximately 10 Mbps.

9
10 66. The method of claim 50, wherein the displaying displays a video
11 having a total runtime of at least approximately 2 hours.

12
13 67. The method of claim 50, wherein the receiving receives the
14 compressed digital video data from a DVD disk in communication with the
15 network interface.

16
17 68. The method of claim 50, wherein the receiving receives the
18 compressed digital data in an advanced systems format.

19
20 69. The method of claim 50, wherein the receiving receives the
21 compressed digital video data via satellite in communication with the network
22 interface.

1 70. The method of claim 50, wherein the receiving receives the
2 compressed digital video data via a cable in communication with the network
3 interface.

4
5 71 (Cancelled).

6
7 72. The method of claim 50, wherein the displaying displays the
8 decompressed digital video data on a lenticular display.

9
10 73. One or more computer-readable media having computer-readable
11 instructions thereon which, when executed by a programmable device, causes a
12 the device to execute requesting of compressed digital video data via a network
13 interface where the compressed digital video has an average compression ratio of
14 at least approximately 50:1 ~~wherein the digital video data has one pixel or line~~
15 ~~resolution of at least 720 and the other pixel or line resolution greater than 576;~~
16 decompressing the digital video data using a software decoder and processing to
17 remove blockiness to produce compressed digital video; and displaying the
18 decompressed digital video data with one pixel or line resolution of at least 1280.

19
20 74-78 (Cancelled).

21
22 79 (New). A method of processing video data comprising:
23 converting an analog 35 mm or 16 mm film of duration greater than 1 hour
24 to digital video data with a frame rate of approximately 24 frames per second and
25 one pixel or line resolution of at least approximately 1280;

1 storing the digital video data as uncompressed digital video data to a
2 storage;

3 receiving the digital video data from the storage;

4 compressing the received digital video data to produce compressed digital
5 video using an average compression ratio of at least approximately 50:1 amenable
6 to subsequent decompression using processing to remove blockiness; and

7 transmitting the compressed digital video data via a network.
8
9

10 80 (New). A method of processing video data comprising:

11 converting an analog 35 mm or 16 mm film of duration greater than 1 hour
12 to digital video data with a frame rate of approximately 24 frames per second and
13 one pixel or line resolution of at least approximately 1280;

14 compressing and storing the digital video data where the compressing uses
15 lossless compression at a compression ratio of approximately 4:1 or less;

16 receiving the digital video data from the storage;

17 compressing the received digital video data to produce compressed digital
18 video using an average compression ratio of at least approximately 50:1 amenable
19 to subsequent decompression using processing to remove blockiness; and

20 transmitting the compressed digital video data via a network.
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